



MC9S08QD4MSC

Manufacturer Part Number	MC9S08QD4MSC
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MC9S08QD4MSC
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 4KB FLASH 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	MC9S08QD2, 4.pdf MC9S08QD2, 4.pdf MC9S08QD4 Fact Sheet.pdf
RoHS Status	ROHS3 Compliant

Get a Quote

MC9S08QD4MSC - NXP USA Inc..New Original in Stock. Download Linear Technology MC9S08QD4MSC datasheet/specifications on AllelcoElec.com.
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Specifications

MC9S08QD4MSC Tech Specifications
MC9S08QD4MSC - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	8-SOIC	Number of I/O	4
Speed	16MHz	Mounting Type	Surface Mount
Series	S08	EEPROM Size	-
RAM Size	256 x 8	Data Converters	A/D 4x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	4KB (4K x 8)	Core Processor	S08
Peripherals	LVD, POR, PWM, WDT	Connectivity	-
Package / Case	8-SOIC (0.154", 3.90mm Width)	Base Product Number	MC9S08
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC9S08QD4MSC

Product Attribute				
Part Number	MC9S08QD4MSC	MC9S08QD4MSC	MC9S08QE128CLD	MC9S08QD4CSC
Manufacturer	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	44-LQFP	8-SOIC (0.154", 3.90mm Width)
Connectivity	-	-	I ² C, LINbus, SCI, SPI	-
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Size	4KB (4K x 8)	4KB (4K x 8)	128KB (128K x 8)	4KB (4K x 8)
Core Processor	S08	S08	S08	S08
Base Product Number	MC9S08	MC9S08	MC9S08	MC9S08
Number of I/O	4	4	34	4
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tube	Bulk	Tray	Tube
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, PWM, WDT	LVD, POR, PWM, WDT
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	16MHz	16MHz	50MHz	16MHz
RAM Size	256 x 8	256 x 8	8K x 8	256 x 8
EEPROM Size	-	-	-	-
Series	S08	S08	S08	S08
Supplier Device Package	8-SOIC	8-SOIC	44-LQFP (10x10)	8-SOIC
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	1.8V ~ 3.6V	2.7V ~ 5.5V
Data Converters	A/D 4x10b	A/D 4x10b	A/D 10x12b	A/D 4x10b

MC9S08QD4MSC Datasheet PDF

Download MC9S08QD4MSC pdf datasheets and NXP USA Inc. documentation for MC9S08QD4MSC - NXP USA Inc..

Datasheets

[MC9S08QD2, 4.pdf](#)

[MC9S08QD4 Fact Sheet.pdf](#)

PCN Packaging

All Dev Label Update 15/Dec/2020.pdf

Mult Dev Pkg Seal 15/Dec/2020.pdf

Environmental Information

NXP USA Inc REACH.pdf

NXP USA Inc RoHS Cert.pdf

HTML Datasheet







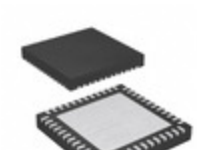





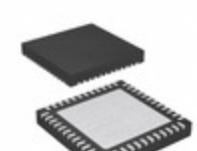



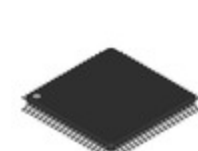

MC9S08QD2, 4.pdf

PCN Assembly/Origin

Mult Dev A/T Chg 24/Jun/2021.pdf

Customers Also Interested in

Recommended Products

 MC9S08QD4MSC Freescale Semiconductor IC MCU 8BIT 4KB FLASH 8SOIC	 MC9S08QE128CLD NXP USA Inc. IC MCU 8BIT 128KB FLASH 44LQFP	 MC9S08QD4CSC NXP USA Inc. IC MCU 8BIT 4KB FLASH 8SOIC	 MC9S08QD2CSCR NXP USA Inc. IC MCU 8BIT 2KB FLASH 8SOIC	 MC9S08QD2VSC Freescale Semiconductor IC MCU 8BIT 2KB FLASH 8SOIC	 MC9S08QD2MSCR NXP USA Inc. IC MCU 8BIT 2KB FLASH 8SOIC
 MC9S08QE128CFT NXP USA Inc. IC MCU 8BIT 128KB FLASH 48QFN	 MC9S08QD2VSC NXP USA Inc. IC MCU 8BIT 2KB FLASH 8SOIC	 MC9S08QE16CLC NXP USA Inc. IC MCU 8BIT 16KB FLASH 32LQFP	 MC9S08QD2CSCR Freescale Semiconductor IC MCU 8BIT 2KB FLASH 8SOIC	 MC9S08QD4MSCR NXP USA Inc. IC MCU 8BIT 4KB FLASH 8SOIC	 MC9S08QD4CPC NXP USA Inc. IC MCU 8BIT 4KB FLASH 8DIP
 MC9S08QE16CFT NXP USA Inc. IC MCU 8BIT 16KB FLASH 48QFN	 MC9S08QE16CWL NXP USA Inc. IC MCU 8BIT 16KB FLASH 28SOIC	 MC9S08QD2MSC NXP USA Inc. IC MCU 8BIT 2KB FLASH 8SOIC	 MC9S08QE128CLH NXP USA Inc. IC MCU 8BIT 128KB FLASH 64LQFP	 MC9S08QE128CLK Freescale Semiconductor IC MCU 8BIT 128KB FLASH 80LQFP	 MC9S08QD4MSCR Freescale Semiconductor IC MCU 8BIT 4KB FLASH 8SOIC

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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